



Federal Aviation Administration

Memorandum

Date: August 31, 2015

To: Jim DiMatteo

From: Mark R. Gallant, Manager, Central Service Area Spectrum Engineering

Subject: COORDINATION OF FREQUENCIES FOR SPECIAL AERONAUTICAL EVENTS

This Memorandum does not provide authority to transmit. It only satisfies the prerequisite to coordinate with the Federal Aviation Administration (FAA). A transmit authorization, or license must be obtained from the Federal Communications Commission (FCC). You **MUST NOT** transmit on these frequencies until you receive the license from the FCC. Please include the FAA coordination numbers on the FCC application to expedite the processing.

In response to your request, the FAA has engineered three Very High Frequencies (VHF)s for use in the Fort Worth Texas Motor Speedway Airshow. If authorized by the FCC, operation on these frequencies for advisory service is limited to the area and conditions indicated below:

Start and end dates: September 20 through September 29, 2015

Transmitter/Receiver Location

City: Fort Worth

State: Texas

Airport ID or FAA Facility ID (if applicable): Texas Motor Speedway

Coordinates: N33° 02' 11.85", W097° 16' 52.69"

Terrain Elevation (AMSL): 632 ft.

Transmitter/Receiver Equipment

Nomenclature: IC-A6E, IC-A110, IC-A210E

Power: 6W

Antenna Height (AGL): 20 ft.

FAA Coordination number(s) and Associated Frequencies:

Coordination Number	Frequency
AS T150237	119.800 MHZ
AS T150238	120.500 MHZ
AS T150239	121.025 MHZ

Function/Hours of operation (Local Time): Advisory Service 0800 through 1900.

Radius/Flight Level: 5NM/ 4000AMSL.

Station Class: FAC

CC:

AJV-C2, Operations Support Group, Winston Dixon

AJW-1C6, CSA Spectrum Engineering Team, Wafi Gazi

William Meintel

From: Jim DiMatteo <jimdimatteo@me.com>
Sent: Wednesday, August 26, 2015 5:26 PM
To: Phuong.Duong@faa.gov
Cc: CAPT Jim DiMatteo; james.motley@faa.gov; Sergio-red bull; Dario Costa; Anthony.Q.Roldan@faa.gov; Yungmin Lee (Riedel); Douglas.Addington@faa.gov; Sydney.Bradfield@faa.gov; diane.deborde@faa.gov; Dennis.Bee@faa.gov
Subject: Re: Frequency request for Las Vegas Red Bull Air Race on Oct 13-19, 2015 at Nellis NV

Hello Phuong Duong,

Thank you very much for the email and the coordinated 4 frequencies to use for our event in Las Vegas. We have Yungmin cc'd on this email and he will be the one to fill out the form to the FCC that you have attached below.

Thank you again for your help with this,

Please let me know if you have any other questions,

Jim

On Aug 26, 2015, at 2:00 PM, Phuong.Duong@faa.gov wrote:

Hi Jim DiMatteo,

Frequency engineering is complete.

Las Vegas Red Bull Air Race is assigned following temporary frequencies at Nellis NV (lat long 36 16 18.7N/ 115 00 36.6W) on Oct 13-19, 2015:

- Frequency M120.2, Air Boss, 10 nm, 9000 feet, coordination # AS T150233.
- Frequency M121.65, Air Boss, 10 nm, 9000 feet, coordination # AS T150236.
- Frequency M126.4, Air Boss, 10 nm, 9000 feet, coordination # AS T150234.
- Frequency M134.7, Air Boss, 10 nm, 9000 feet, coordination # AS T150235.

M121.05 cannot work this year for this event because M121.05 has been assigned to Palm Springs special event. I engineered **M121.65** to replace M121.05.

I was told for more Policy from Headquarters: please advise the requester to submit to FCC for STA, and requester needs to make sure to receive STA from FCC before the event 30 days or less. If they don't receive anything from FCC up to one week before the event, then they need to contact FCC the 2nd time for STA.

To apply the STA (Special Temporary Authorization) from FCC:

- Please fill out Form 602 (sometimes FCC calls it 601) from FCC online.

Here is the link to the form:

<http://transition.fcc.gov/Forms/Form601/601ps.pdf>

- The radio service code is: AF

- The station class is FAC
- The power (ERP) should be the output power of the VHF radio. Antenna gain is zero (0). Hope FCC not asking ERP along a given radial, since the antenna is non-directional. Make sure the application states it is for a communications radio, not a Navaid.
- Antenna elevation is the height of the antenna above Mean Sea Level (in meters). Antenna height is the height of the antenna above the ground (in meters).
- If this doesn't help, please contact the FCC's Help Desk, at 1-888-225-5322, Option 2.
- They should be able to help you complete the form. Just tell them you are trying to get an STA for an Airshow.
- In box 3a), please select S for Special Temporary Authorization (STA)
- If they ask for coordination , you can enter the AS T#.

Thanks.

Phuong Duong.

FAA WSA Spectrum Engineering Services, AJW-1C7 Los Angeles Western Pacific Regional Office
Office: 310-725-3669

From: Duong, Phuong (FAA)
Sent: Wednesday, August 26, 2015 6:47 AM
To: 'Jim DiMatteo'
Cc: Motley, James (FAA); Sergio-red bull; Dario Costa; Roldan, Anthony Q (FAA); Lee, Yungmin; Addington, Douglas (FAA); Bradfield, Sydney (FAA); Deborde, Diane (FAA); Bee, Dennis (FAA)
Subject: RE: Frequency request for Las Vegas Red Bull Air Race on Oct 9-13, 2014

I have engineered 4 frequencies and submitted to headquarters yesterday. Need Headquarters to review them, and I will let you know for any progress. Phuong.

From: Jim DiMatteo [<mailto:jimdimatteo@me.com>]
Sent: Tuesday, August 25, 2015 3:59 PM
To: Rollins, Daniel (FAA)
Cc: CAPT Jim DiMatteo; Duong, Phuong (FAA); Motley, James (FAA); Sergio-red bull; Dario Costa; Roldan, Anthony Q (FAA); Lee, Yungmin; Addington, Douglas (FAA); Bradfield, Sydney (FAA); Deborde, Diane (FAA); Bee, Dennis (FAA)
Subject: Re: Frequency request for Las Vegas Red Bull Air Race on Oct 9-13, 2014

Thank you Dan,

Diane, please see note below with application for 4 frequencies to be used in connection with the Red Bull Air Race in October in the Vegas motor speedway. Please let me know if you have any questions,

Thank you,

Jim

On Aug 25, 2015, at 7:10 AM, Daniel.Rollins@faa.gov wrote:

Jim and all,

I have a new job assignment and am no longer working air shows at this time. I may return late this year, but in the meantime please contact Diane DeBorde for any

necessary air show coordination. I am of course still available to answer questions if necessary. At this time I don't know if I'll be at the ICAS convention in Las Vegas in December.

Dan Rollins
Air Traffic Control Specialist
FAA Western Service Center
Planning & Requirements Group (AJV-W3)
NPI North Team Manager (A)
Renton WA 98057

425-203-4796 Office
425-306-2479 FAA Cell
425-203-4624 FAX

From: Jim DiMatteo [<mailto:jimdimatteo@me.com>]
Sent: Monday, August 24, 2015 9:25 PM
To: Duong, Phuong (FAA)
Cc: CAPT Jim DiMatteo; Motley, James (FAA); Sergio-red bull; Dario Costa; Roldan, Anthony Q (FAA); Lee, Yungmin; Addington, Douglas (FAA); Bradfield, Sydney (FAA); Rollins, Daniel (FAA)
Subject: Re: Frequency request for Las Vegas Red Bull Air Race on Oct 9-13, 2014

Hello Sir,

This is Jim DiMatteo from the Red Bull Air Race and we will be having our event again this year in the Vegas Motor Speedway. Attached is the Air show frequency application form. I copied what we did last year as it seemed to work very well. We are requesting 4 AirBoss frequencies like we used last year. This will all be done in Coordination with Nellis. Below you will find all of the additional information you asked for last year. We are a week later this year but I wanted to make sure you have plenty of time for the frequency request.

Please let me know if you have any questions for me.

Thank you again for your assistance,

VR,
Jim DiMatteo
Race Director
Red Bull Air Race
619-701-4156

On Sep 22, 2014, at 7:18 AM, Phuong.Duong@faa.gov wrote:

Hi Jim DiMatteo,

Frequency engineering is complete.

Air show is assigned following frequencies at Las Vegas, NV (LAS VEGAS NEVADA MOTOR SPEEDWAY, the location is 36 16 18.7N/115 00 36.6W) on Oct 9-13, 2014:

- M120.2, Local Control, 9000 feet, 10 nm, coordination # AS T140206.
- M121.05, Local Control, 9000 feet, 10 nm, coordination # AS T140203.
- M126.4, Local Control, 9000 feet, 10 nm, coordination # AS T140204.
- M134.7, Local Control, 9000 feet, 10 nm, coordination # AS T140205.

Special Temporary Authorization from FCC.

For more info to apply for FCC STA:

-Please fill out Form 602 (sometimes FCC calls it 601) from FCC online.

Here is the link to the form:

<http://transition.fcc.gov/Forms/Form601/601ps.pdf>

- The radio service code is: AF
- The station class is FAC
- The power (ERP) should be the output power of the VHF radio. Antenna gain is zero (0).
Hope FCC not asking ERP along a given radial, since the antenna is non-directional. Make sure the application states it is for a communications radio, not a Navaid.
- Antenna elevation is the height of the antenna above Mean Sea Level (in meters). Antenna height is the height of the antenna above the ground (in meters).
- If this doesn't help, please contact the FCC's Help Desk, at 1-888-225-5322, Option 2.
- They should be able to help you complete the form. Just tell them you are trying to get an STA for an Airshow.
- In box 3a), please select **S** for **Special Temporary Authorization** (STA).

Thank you.

Phuong Duong.

WSA Engineering Services

LA Operations Engineering Support Center, AJW-1C7

From: Jim DiMatteo [<mailto:jimdimatteo@me.com>]

Sent: Friday, September 19, 2014 3:45 PM

To: Duong, Phuong (FAA)

Cc: CAPT Jim DiMatteo; Motley, James (FAA); Sergio-red bull; Dario Costa; Roldan, Anthony Q (FAA); yungmin.lee@riedel.net; Addington, Douglas (FAA)

Subject: Re: Frequency request for Las Vegas Red Bull Air Race

great, thank you very much,,,

Jim

On Sep 19, 2014, at 2:54 PM, Phuong.Duong@faa.gov wrote:

Jim DiMatteo,
4 frequencies have been completed studying and have sent to Headquarters to review. I will get back to you next week. Phuong.

From: Jim DiMatteo [<mailto:jimdimatteo@me.com>]
Sent: Friday, September 19, 2014 2:30 PM
To: Duong, Phuong (FAA)
Cc: CAPT Jim DiMatteo; Motley, James (FAA); Sergio-red bull; Dario Costa; Roldan, Anthony Q (FAA); Yungmin Lee; Addington, Douglas (FAA)
Subject: Re: Frequency request for Las Vegas Red Bull Air Race

No worries, Sounds great, thank you!!

Jim

On Sep 19, 2014, at 1:57 PM, Phuong.Duong@faa.gov wrote:

Hi Jim DiMatteo,

It was close to lunch so I counted 6 days by mistake. From Headquarters, 6 days or less, air show frequency (within 400 nm from the border) does not need to coordinate with Mexico. I will look for 4 frequencies from Oct 9-oct 13 and will get back to you. Phuong.

From: Jim DiMatteo [<mailto:jimdimatteo@me.com>]
Sent: Friday, September 19, 2014 11:13 AM
To: Duong, Phuong (FAA)
Cc: CAPT Jim DiMatteo; Motley, James (FAA); Sergio-red bull; Dario Costa; Roldan, Anthony Q (FAA); yungmin.lee@riedel.net; Addington, Douglas (FAA)
Subject: Re: Frequency request for Las Vegas Red Bull Air Race

Yes, we are requesting 4 frequencies from Oct 9 through Oct 13, which is only five days. If 5 days is a problem still with Mexico, then we could cut off Oct 13th and just use the frequencies for four days.

Just let me know what works for you,

Thank you,

Jim

On Sep 19, 2014, at 11:06 AM, Phuong.Duong@faa.gov wrote:

Hi Jim Dimatteo,

Can I verify with you one more time ? Do you want 4 frequencies from Oct 9 to Oct 13 ? Please confirm.

I will double check with Headquarters to make sure 6-day event does not require Mexican coordination (to make sure). Phuong.

From: Jim DiMatteo [<mailto:jimdimatteo@me.com>]

Sent: Friday, September 19, 2014 10:48 AM

To: Duong, Phuong (FAA)

Cc: CAPT Jim DiMatteo; Motley, James (FAA); Sergio-red bull; Dario Costa; Roldan, Anthony Q (FAA); Yungmin Lee; Addington, Douglas (FAA)

Subject: Re: Frequency request for Las Vegas Red Bull Air Race

Thank you for your quick response. I was not aware of the 7 day requirement so we definitely don't want to make things difficult. In discussions with the Nellis folks they have a standard freq. that they would like us to use on Monday to Wednesday, October 6-8. Therefore, we request our Frequencies to be operable from Thursday morning, October 9, through Monday afternoon, October 13, 2014. Additionally, when I originally filled out the request I had asked for 3 frequencies, can I ask for 4 frequencies? After speaking with Nellis I think that would be better.

Thank you and please let me know if you have any questions for me,,,

VR,
Jim

On Sep 19, 2014, at 7:13 AM, Phuong.Duong@faa.gov wrote:

Hi Jim DiMatteo,

I have received your request.

I have question:

Air Show Frequency Application has required date Oct 6-Oct 13, 2014.

Your email dated Aug 26 has required date Oct 11-12, 2014.

Please confirm required date (Start date/End date) for me.

The reason I need to verify because if we need Air Show frequencies 7 days or more, we need to have more time to have Mexican coordination.

Thanks. Phuong.

From: Motley, James (FAA)

Sent: Thursday, September 18, 2014 6:27 PM

To: Duong, Phuong (FAA)

Subject: Fw: Fwd: Frequency request for Las Vegas Red Bull Air Race

Hey Phuong can you take the action.

Thanks.

From: Jim DiMatteo [<mailto:jimdimatteo@me.com>]

Sent: Thursday, September 18, 2014 05:29 PM

To: Motley, James (FAA)

Cc: CAPT Jim DiMatteo <jimdimatteo@me.com>; Gallant, Mark R (FAA);

Sergio-red bull <sergio.pla@redbullairrace.com>; Dario Costa

<dario.costa@redbullairrace.com>; Roldan, Anthony Q (FAA); Yungmin

Lee <yungmin.lee@riedel.net>; Addington, Douglas (FAA)

Subject: Fwd: Frequency request for Las Vegas Red Bull Air Race

Mr. Motley,

Per my email below sent on August 26th, I am following up to see what the status is on our request for frequencies. Please let me know as soon as possible as we still need to get these frequencies approved by the FCC, which takes time. If possible, I would like to request 4 Air Boss frequencies.

Thank you,

Jim DiMatteo
Race Director
Red Bull Air Race
619-701-4156

Begin forwarded message:

From: Jim DiMatteo <jimdimatteo@me.com>

Subject: Frequency request for Las Vegas Red Bull Air Race

Date: August 26, 2014 at 4:34:47 PM PDT

To: james.motley@faa.gov
Cc: CAPT Jim DiMatteo <jimdimatteo@me.com>, Dario Costa <dario.costa@redbullairrace.com>, Sergio-red bull <sergio.pla@redbullairrace.com>

Sir,

Per the previous email from Mark Gallant, I am contacting you about getting a few frequencies we can use for the Red Bull Air Race in Las Vegas Motor Speedway on Oct 11, 12, 2014. Please see attached request form plus the info that our comms guy provided Mr. Gallant.

These are the aviation radios we use at the Air Races

IC-A6E Portable Radio, incl. Antenna (Icom)
IC-A110 Air Band Transceiver VHF (Icom)
IC-A210E Air Band Transceiver VHF (Icom)

The devices can go up to:

IC-A6E Portable Radio, incl. Antenna (Icom) max 5W
IC-A110 Air Band Transceiver VHF (Icom) max 6W
IC-A210E Air Band Transceiver VHF (Icom) max 6W

We would need 3 Frequencies:

adjustable frequency range	Bandwidth	Model/Typ	FCC ID#:
108,000– 136,9917MHz	25khz.	IC- A24E/A6E	AFJ279100
108,000– 136,9917MHz	25khz.	IC- A24E/A6E	AFJ279100
108,000– 136,9917MHz	25khz.	IC- A24E/A6E	AFJ279100

This is what we received form Mr. Gallant for our Texas race:

Thank you very much and please let me know what you need from me.

VR
Jim DiMatteo
Race Director
Red Bull Air Race
619-701-4156

<Air_Show_Frequency_Application-Vegas.pdf><Red Bull Air Race Coordination Memorandum 2014_.pdf>

